Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"6430570".pn.	USPAT	OR	OFF	2005/03/16 07:58
L2	10	("5991795" \| "6026474" \| "6073173" \| "6151607" \| "6173318").PN. OR ("6430570"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 08:33
L3	7356	(linux or unix) and embedded and memory	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 08:43
L4	10	(linux or unix) same embedded same (manag$4 near3 memory)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 08:49
L5	12	(linux or unix) same embedded and shaw.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:09
L6	0	"20020138667" and (compress$3 or jar or archiv$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:10
L7	112	embed$4 same updat$3 same compress$3	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:22
L8	0	"6760908".pn. and (compress$3 or jar or archive)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:12
L9	0	"6430570".pn. and (compress$3 or jar or archive)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:13
L10	0	"6237091".pn. and (compress$3 or jar or archive)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:13
L11	5	embed$4 same updat$3 same (stor$3 near3 compress$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:20
L12	0	embed$4 same updat$3 and (embed$4 near3 compres$5) near3 ((prior or before) adj stor$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:21
L13	26	embed$4 same updat$3 and compress$3 near5 (library or dll)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:25
L14	2	embed$4 same compress$3 near5 (library or dll)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:26
L15	11	(pda or mobile) and (upgrad$3 or updat$3 or install$5 or download$3) same compress$3 near5 (library or dll)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:27

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L16	547	(compres$5 near5 stor$3) same embed$4	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:28
L17	2	(compres$5 near5 stor$3) near5 (library or dll) same embed$4	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:28
L18	6	((compres$5 or serializ$5) near5 stor$3) near5 (jar or library or dll) same embed$4	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:31
L19	10	((compres$5 or serializ$5 or jar) near5 stor$3) near5 (library or dll) same (embed$4 or mobile or pda)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:32
L20	0	"compressed before storing" same (embed$4 or mobile or pda or hand-held)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:33
L21	21	"compressed before storing"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:34
L22	0	(compres$5 near2 stor$3) same (717/16?.ccls. or 717/17?.ccls.)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:36
L23	12	(compres$5 near2 memory) and (717/16?.ccls. or 717/17?.ccls.)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:36
L24	90	(compres$5 near2 stor$3) and (717/16?.ccls. or 717/17?.ccls.)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:37
L25	5	(compres$5 near2 memory) and (717/16?.ccls. or 717/17?.ccls.) and (hand-held or pda or smart or embed$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:41
L26	46	(compres$5 near2 stor$3) and (717/16?.ccls. or 717/17?.ccls.) and (hand-held or pda or smart or embed$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:37
L27	55	((compres$5 or jar or serialize) near2 (memory or stor$3)) and (717/16?.ccls. or 717/17?.ccls.) and (hand-held or pda or smart or embed$4 or mobile)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 11:42
L28	29	((compres$5 or jar or serialize) near2 (memory or stor$3)) and (717/16?.ccls. or 717/17?.ccls.) and (hand-held or pda or smart or embed$4 or mobile) and (library or dll)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 12:26
L29	1	"6832373".pn. and (decompres$5 or de-compres$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 12:46

L30	1	"5867712".pn. and unix	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 13:14
L31	1	"20020129078" and embed$4	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/16 13:14
S1	408	717/168.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/15 12:07
S2	229	717/171.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/15 12:07
S3	256	717/162.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/15 12:08
S4	116	717/163.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/15 12:08
S5	59	717/167.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/15 12:08
S6	21	embed$4 same ((library or libraries or dll) near5 stor$3) and (updat$3 or upgrad$3 or extension or extend$3 or install$5) and ((sav$3 or optimiz$3 or minimiz$3 or reduc$3) near3 memory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/15 13:12
S7	4	("6363436").URPN.	USPAT	OR	OFF	2005/03/15 13:02
S8	2	("6629111").URPN.	USPAT	OR	OFF	2005/03/15 13:11
S9	1440	((embed$4 near3 (system or device or chip or memory or processor or cpu)) or firmware) same (updat$3 or upgrad$3 or extension or extend$3 or install$5 or enhanc$5) and ((sav$3 or optimiz$3 or minimiz$3 or reduc$3) near3 memory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/15 13:14

S10	85	((embed$4 near3 (system or device or chip or memory or processor or cpu)) or firmware) same (updat$3 or upgrad$3 or install$5 or enhanc$5) same ((sav$3 or optimiz$3 or minimiz$3 or reduc$3) near3 memory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/15 13:14
S11	83	S10 not S6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/15 13:14
S12	3	("6212632").URPN.	USPAT	OR	OFF	2005/03/15 13:35
S13	34	("4799145" \| "4954941" \| "5155837" \| "5210854" \| "5268928" \| "5317723" \| "5450589" \| "5519869" \| "5555418" \| "5566335" \| "5568358" \| "5596738" \| "5623604" \| "5675814" \| "5682533" \| "5764992" \| "5781921" \| "5784625" \| "5922072" \| "5923886" \| "5930504" \| "5974470" \| "5987511" \| "5987536" \| "5999740" \| "6009274").PN. OR ("6237091"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 16:08
S14	8	("6470494" "4695950" "6658492" "6606743" "5226155" "6415350" "6523102" "6336161").pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 16:13
S15	119	only near2 ((necessary or required or needed) near2 class)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 16:14
S16	1	only near2 ((necessary or required or needed) near2 class) same jar	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 16:15
S17	31	((necessary or required or needed) near2 class) same jar	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 16:29
S18	0	(((delet$3 or remov$3) near2 (unnecessary or undesir$4 or unwanted or "not needed")) near2 class) same jar	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 16:34
S19	4	(((delet$3 or remov$3) near2 (unnecessary or undesir$4 or unwanted or "not needed")) near2 class)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 16:34
S20	9	(load$3 near3(minimal or minimiz$5)) near3 (class)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 16:38
S21	64	(select$3 near3 load$3) near3 class	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 16:57

S22	6	("5899997" "6151703" "5418964" "4910731" "6072953" "6557054" "5899997").pn. or "2002018726"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 16:58
S23	7	("5899997" "6151703" "5418964" "4910731" "6072953" "6557054" "5899997").pn. or "20020188726"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 17:03
S24	1228	(optimiz$5 or optimal or minimiz$5 or minimal or reduc$4) near3 (memory or stor$3 or install$5 or load$3) and (jar or embed$4 or class) and garbage	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 17:20
S25	20	(optimiz$5 or optimal or minimiz$5 or minimal or reduc$4) near3 (memory or stor$3 or install$5 or load$3) same (jar or embed$4 or class) same garbage and (updat$3 or upgrad$3 or install$5 or download$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 17:13
S26	23	(optimiz$5 or optimal or minimiz$5 or minimal or reduc$4) near3 (memory or stor$3 or install$5 or load$3) and (jar or embed$4 or class) same garbage same (updat$3 or upgrad$3 or install$5 or download$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 17:13
S27	21	S26 not S25	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 17:13
S28	26224	(memory near3 manage$4) embed$4 and (jar or class) and garbage	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 17:21
S29	4	(memory near3 manage$4) same embed$4 same (jar or class) and garbage	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 17:21
S30	10	("5991795" \| "6026474" \| "6073173" \| "6151607" \| "6173318").PN. OR ("6430570"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 17:33
S31	1	"6760908".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 17:35
S32	8	(international and business).as. and merrick.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/15 17:36
S33	9	("6339841").URPN.	USPAT	OR	OFF	2005/03/15 17:48
S34	0	master near2 (package or build) near5 embed$4	USPAT	OR	OFF	2005/03/15 17:48
S35	0	generic near2 (package or build) near5 embed$4	USPAT	OR	OFF	2005/03/15 17:48

S36	575	(generic or master) near2 (package or build)	USPAT	OR	OFF	2005/03/15 17:49
S37	2	(generic or master) near2 (package or build) and jar	USPAT	OR	OFF	2005/03/15 17:49
S38	239	(generic or master) near2 (package or build) and 7??/???.ccls.	USPAT	OR	OFF	2005/03/15 17:50
S39	187	(generic or master) near2 (package or build) and 7??/???.ccls. and (java or jar or class)	USPAT	OR	OFF	2005/03/15 17:50
S40	184	(generic or master) near2 (package or build) and 7??/???.ccls. and (java or jar or class) and (transmit$4 or download$3 or updat$3 or upgrad$3 or install$5)	USPAT	OR	OFF	2005/03/15 17:51
S41	4	(generic or master) near2 (package or build) same (java or jar or class) and (transmit$4 or download$3 or updat$3 or upgrad$3 or install$5) and 7??/???.ccls.	USPAT	OR	OFF	2005/03/15 17:53
S42	334	(package or build) same (java or jar or class) same (transmit$4 or download$3 or updat$3 or upgrad$3 or install$5) and 7??/???. ccls.	USPAT	OR	OFF	2005/03/15 17:53
S43	176	(package or build) same (java or jar or class) same (transmit$4 or download$3 or updat$3 or upgrad$3 or install$5) and 7??/???. ccls. and (embed$4)	USPAT	OR	OFF	2005/03/15 17:54
S44	49	(package or build) same (java or jar or class) same (transmit$4 or download$3 or updat$3 or upgrad$3 or install$5) and 7??/???. ccls. and (embed$4) and (optimiz$5 or optimal$2 or reduc$3 or small$2 or minimal or minimiz$5) near3 (storage or rom or memory)	USPAT	OR	OFF	2005/03/16 07:58

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Joel R. Williams
October 1999 **Linux Journal**
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2 Focus on embedded systems: Linux at the embedded systems conference
Rick Lehrbaum
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3 The Next Bang: The Explosive Combination of Embedded Linux, XML and Instant Messaging
Doc Searls
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Full text available: html(34.52 KB) Additional Information: full citation, references, index terms

4 Embedding Linux to Control Accelerators and Experiments
A. Gotz, P. Makijarvi, B. Regad, M. Perez, P. Mangiagalli
October 1999 **Linux Journal**
Full text available: html(28.17 KB) Additional Information: full citation, abstract, references, index terms

A scientific laboratory in Europe depends on Linux for controlling equipment used in their research

5 Using Linux in Embedded and Real-Time Systems
Rick Lehrbaum
July 2000 **Linux Journal**
Full text available: html(13.87 KB) Additional Information: full citation, abstract, references, index terms

When you need an embedded operating system, Linux is a good place to start. Here's why.

6 Porting RTOS device drivers to embedded Linux
Bill Weinberg
October 2004 **Linux Journal**, Volume 2004 Issue 126
Full text available: html(22.60 KB) Additional Information: full citation, abstract

Your old real-time operating system made you do a lot for yourself as a driver author. Take advantage of the facilities Linux offers and clean up some spaghetti code while you're at it.

7 Focus on embedded systems: spotlight on embedded Linux at CeBIT
Rick Lehrbaum
June 2001 **Linux Journal**, Volume 2001 Issue 86
Full text available: html(6.26 KB) Additional Information: full citation, index terms

8 Focus on embedded systems: Embedded Linux and Java---Wave of the Future?
Rick Lehrbaum
February 2002 **Linux Journal**, Volume 2002 Issue 94
Full text available: html(9.38 KB) Additional Information: full citation, index terms

9 Focus on embedded systems: Embedded Linux targets telecom infrastructure
Rick Lehrbaum
May 2002 **Linux Journal**, Volume 2002 Issue 97
Full text available: html(8.56 KB) Additional Information: full citation, index terms

10 Linux in an Embedded Communications Gateway
Greg Herlein
October 1998 **Linux Journal**
Full text available: html(26.88 KB) Additional Information: full citation, abstract, index terms

This article describes a communications gateway system, why Linux was chosen for the implementation and why Linux is an excellent choice for similar gateways

11 VoIP and Embedded Linux
September 2000 **Linux Journal**
Full text available: html(9.15 KB) Additional Information: full citation, index terms

12 Focus on embedded systems: Embedded Linux at Javaone
Rick Lehrbaum
September 2001 **Linux Journal**, Volume 2001 Issue 89
Full text available: html(6.26 KB) Additional Information: full citation, index terms

13 Linux Means Business: Linux for Embedded Systems

Sandor Markon, Kenji Sasaki
September 1997 **Linux Journal**
Full text available: html(14.82 KB) Additional Information: full citation, index terms

14 Focus on embedded systems: Bully in the (embedded) playground
Rick Lehrbaum
March 2002 **Linux Journal**, Volume 2002 Issue 95
Full text available: html(16.56 KB) Additional Information: full citation, index terms

15 Focus on embedded systems
Rick Lehrbaum
December 2001 **Linux Journal**, Volume 2001 Issue 92
Full text available: html(20.23 KB) Additional Information: full citation, abstract

A Walk on the Embedded Side of LinuxWorld

16 Focus on Embedded Systems
Rick Lehrbaum
February 2001 **Linux Journal**
Full text available: html(19.89 KB) Additional Information: full citation, index terms

17 Focus on Embedded Systems
Rick Lehrbaum
November 2000 **Linux Journal**
Full text available: html(15.48 KB) Additional Information: full citation, index terms

18 Focus on embedded systems
Rick Lehrbaum
June 2002 **Linux Journal**, Volume 2002 Issue 98
Full text available: html(15.50 KB) Additional Information: full citation, abstract, index terms

Embedded Systems Conference 2002

19 Focus on embedded systems
Rick Lehrbaum
November 2001 **Linux Journal**, Volume 2001 Issue 91
Full text available: html(9.79 KB) Additional Information: full citation, abstract, index terms

Embedded Linux: A Timely New Book

20 (Special session) embedded tutorial + reguler session: embedded system applications: Toward mobile phone Linux
Yukikazu Nakamoto
January 2004 **Proceedings of the 2004 conference on Asia South Pacific design automation: electronic design and solution fair 2004**
Full text available: pdf(201.73 KB) Additional Information: full citation, abstract, references

Recently mobile phones provide not only voice service but internet access, multi-media message services, games, local communication controllers and so on. Therefore, more productive software platforms are required. We have developed the next generation software platform based on Linux for mobile phones. In this paper, we describe requirements for mobile phone Linux and solution candidate technologies to satisfy the requirements based on the development experience.

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1 Tuning garbage collection for reducing memory system energy in an embedded java environment

G. Chen, R. Shetty, M. Kandemir, N. Vijaykrishnan, M. J. Irwin, M. Wolczko

November 2002 **ACM Transactions on Embedded Computing Systems (TECS)**, Volume 1 Issue 1

Full text available: pdf(740.23 KB) Additional Information: full citation, abstract, references, index terms

Java has been widely adopted as one of the software platforms for the seamless integration of diverse computing devices. Over the last year, there has been great momentum in adopting Java technology in devices such as cellphones, PDAs, and pagers where optimizing energy consumption is critical. Since, traditionally, the Java virtual machine (JVM), the cornerstone of Java technology, is tuned for performance, taking into account energy consumption requires reevaluation, and possibly redesign of t ...

Keywords: Garbage collector, Java Virtual Machine (JVM), K Virtual Machine (KVM), low power computing

2 Memory exploration for low power, embedded systems

Wen-Tsong Shiue, Chaitali Chakrabarti

June 1999 **Proceedings of the 36th ACM/IEEE conference on Design automation**

Full text available: pdf(76.57 KB) Additional Information: full citation, references, citings, index terms

Keywords: cache simulator, design automation, low power design, low power embedded systems, memory exploration and optimization, memory hierarchy, off-chip data assignment

10 **Dynamic memory management for real-time embedded Java chips**
Chi-Min Lin; Tien-Fu Chen;
Real-Time Computing Systems and Applications, 2000. Proceedings. Seventh International Conference on , 12-14 Dec. 2000
Pages:49 - 56

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1 **Hardware support for real-time embedded multiprocessor system-on chip memory management**
Shalan, M.; Mooney, V.J., III;
Hardware/Software Codesign, 2002. CODES 2002. Proceedings of the Tenth International Symposium on , 6-8 May 2002
Pages:79 - 84